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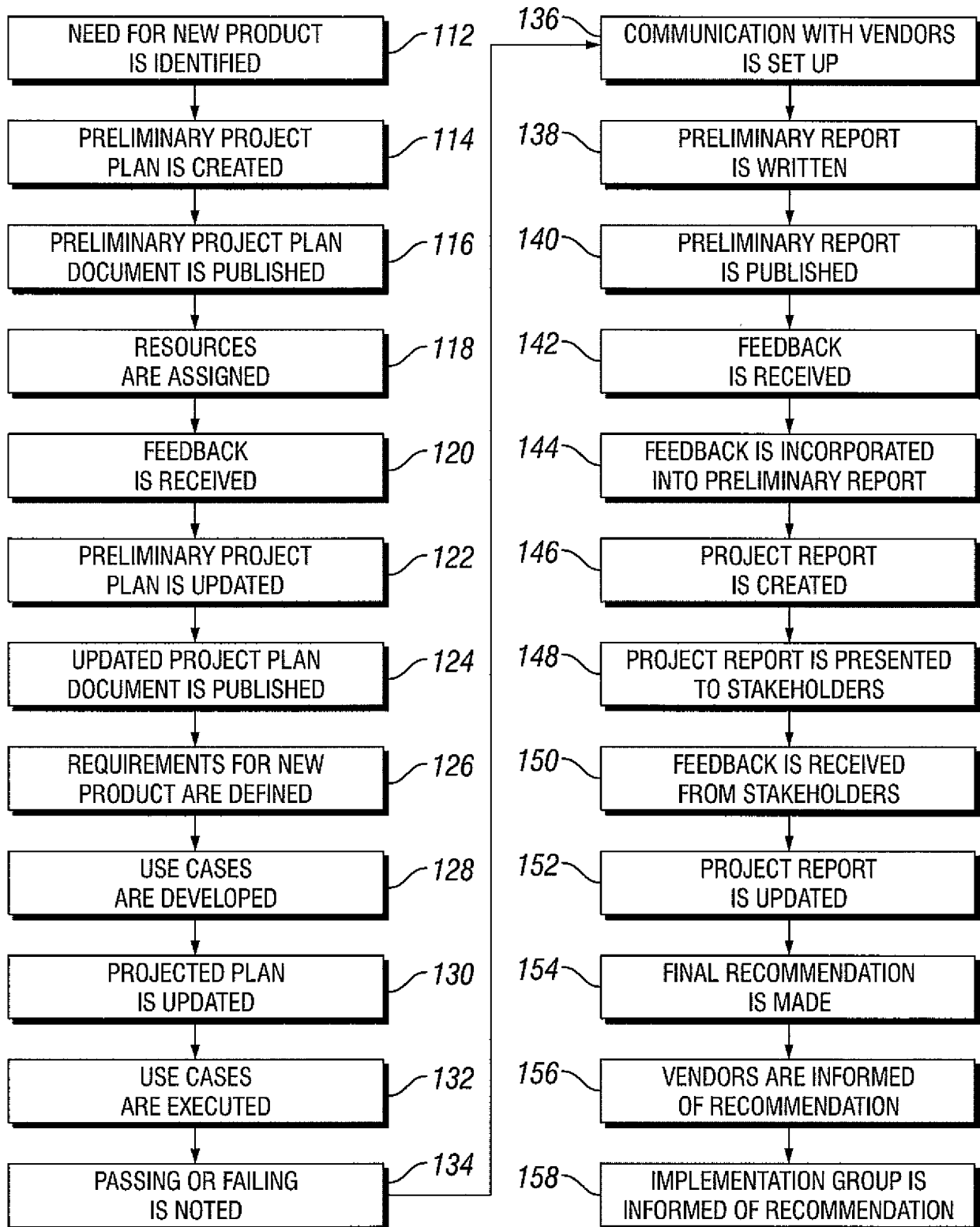


FIG. 1

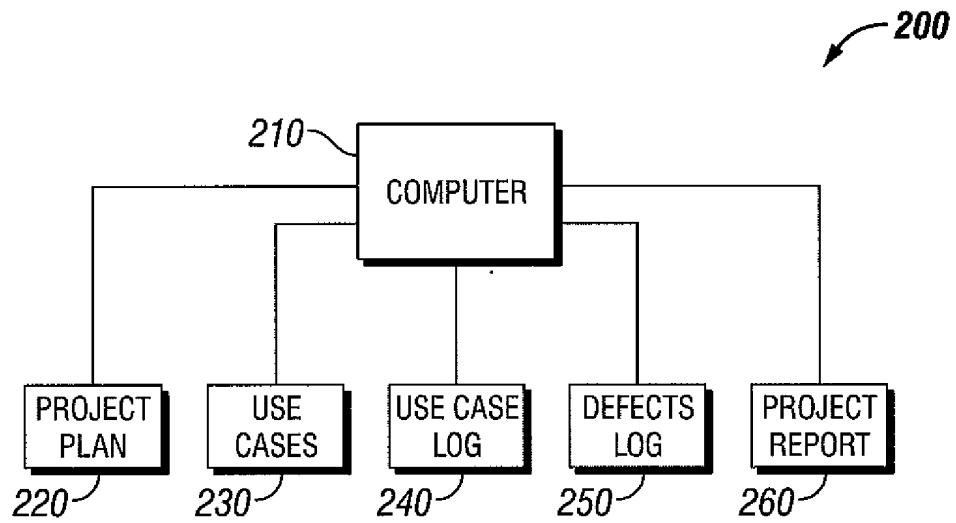


FIG. 2

COMMON INTEGRATION INFRASTRUCTURE SERVICES POC REQUIREMENTS			
UNIQUE REQUIREMENT PCS GIMG LTD IDENTIFIER	310		314
	RFI REFERENCE	SCORECARD DIMENSIONS	
		SYSTEM INTERFACE ADAPTER	USE CASE
C17	H	316	
C1	H	322	340
C2	H	332	342
C3	H	336	344
C4	H	338	346
		324	348
C5	H	326	SB-9
C6	H	328	SB-8
C7	H	330	SB-1
		334	SB-7
C8	H	336	SB-6
		338	SB-11
C9	H	340	SB-14
		342	SB-16
		344	SB-19
		346	SB-19
		348	
C10	H	350	SB-5
C11	H	352	SB-5
C12	H	354	SB-5
C13	M	356	SB-5
C14	H	358	SB-5
		360	SB-5
C15	H	362	SB-12
C16	H	364	SB-13

FIG. 3

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410	412	414	416
6	SYSTEM INTERFACE ADAPTER (SIA)	SYSTEM INTERFACE ADAPTER WITH MQ INTERFACE	INTERFACE DEFINITION SB1 SYNCHRONOUS INVOCATION INTERFACE SB8 JAVA/RMI INTERFACE SB11 CAN INVOKE EXTERNAL SYSTEM INTERFACE SB6 ADAPTER DATA TRANSFORMATION SB5 MQ SERIES INTERFACE WITH SYSTEM C4 INTERFACE ADAPTER SUPPORT FOR FLOW SPECIFICATION SB7
7	SYSTEM INTERFACE ADAPTER (SIA)	SYSTEM INTERFACE ADAPTER WITH JMS	INTERFACE DEFINITION SB1 SYNCHRONOUS INVOCATION INTERFACE SB8 JAVA/RMI INTERFACE SB11 CAN INVOKE EXTERNAL SYSTEM INTERFACE SB6 ADAPTER DATA TRANSFORMATION SB5 JMS INTERFACE WITH THE SYSTEM C3 INTERFACE ADAPTER SUPPORT FOR FLOW SPECIFICATION SB7
420	418	422	
8	SIA	SYSTEM INTERFACE ADAPTER WITH CORBA AND COMPLEX FLOW	INTERFACE DEFINITION SB1 SYNCHRONOUS INVOCATION INTERFACE SB8 424 JAVA/RMI INTERFACE SB11 426 CAN INVOKE EXTERNAL SYSTEM INTERFACE SB6 428 ADAPTER DATA TRANSFORMATION SB5 430 CORBA INTERFACE WITH THE SYSTEM C1 432 INTERFACE ADAPTER 434 SUPPORT FOR FLOW SPECIFICATION SB7
9	SIA	SYSTEM INTERFACE ADAPTER WITH RDBMS	INTERFACE DEFINITION SB1 SYNCHRONOUS INVOCATION INTERFACE SB8 JAVA/RMI INTERFACE SB11 CAN INVOKE EXTERNAL SYSTEM INTERFACE SB6 ADAPTER DATA TRANSFORMATION SB5 DBMS INTERFACE WITH THE SYSTEM INTERFACE ADAPTER SUPPORT FOR FLOW SPECIFICATION SB7
10	SIA	SYSTEM INTERFACE ADAPTER WITH J2EE/EJB	INTERFACE DEFINITION SB1 SYNCHRONOUS INVOCATION INTERFACE SB8 JAVA/RMI INTERFACE SB11 CAN INVOKE EXTERNAL SYSTEM INTERFACE SB6 ADAPTER DATA TRANSFORMATION SB5 SYSTEM INTERFACE ADAPTER C2 INTERFACE (J2EE/EJB) SUPPORT FOR FLOW SPECIFICATION SB7

FIG. 4

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500

THE FOLLOWING CHART SHOWS IN DETAIL THE STATUS OF EACH USE CASE.

510

512

514

516

UC#	USE CASE ABSTRACT	USE CASE STATUS (P/F)	DETECT # LARGE/BOLD=> SEV 1 OR 2
SB 1	SB - RMI INTERFACE	PASS	
SB 2	SB - WEB SERVICES INTERFACE	PASS	24, 33
SB 3	SB - HTTP INTERFACE	FAIL	3, 17
SB 4	SB - CORBA INTERFACE	FAIL	5 , 12, 14, 19, 27
SB 5	SB - DATA TRANSFORMATION	PASS	16
SB 6	SIA - MQ SIA	PASS	34
SB 7	SIA - JMS SIA	PASS	7, 32
518 SB 8	520 SIA - CORBA SIA	522 FAIL	524 5
SB 9	SIA - RDBMS SIA	PASS	11, 25
SB 10	SIA - EJB SIA	FAIL	20 , 21
SB 11	SB - TRANS MGMT	PASS	
SB 12	SB - TRANS FALLOUT	PASS	
SB 13	SB - SECURITY INTG	PASS	
SB 14	SB - MB INTEGRATION	FAIL	6
SB 15	SB - AGGREGATE	PASS	
SB 16	SB - PERFORMANCE	FAIL	43, 45, 46, 47, 48, 49, 51, 52, 54
SB 17	SB - AVAILABILITY	INCOMPLETE	9, 28
SB 18	SB - NAMING SVC INTG	PASS	
SB 19	SIA - EASE OF DEVELOPMENT	PASS	
SB 20	DATA TRANSFORMATION EASE OF DEVELOP.	PASS	
SB 21	SB - EASE OF DEVELOPMENT	PASS	29, 31, 36, 37, 41
SB 22	SB - EASE OF DEPLOYMENT	PASS	8, 30, 40

FIG. 5

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612

USE CASE #8: SYSTEM INTERFACE ADAPTER WITH CORBA INTERFACE**BRIEF DESCRIPTION** 614

THIS FUNCTIONALITY ALLOWS A CLIENT APPLICATION TO USE A SERVICE PROVIDED BY A BACK-OFFICE APPLICATION THAT EXPOSES A CORBA INTERFACE.

REQUIREMENT CROSS REFERENCE 616

INTERFACE DEFINITION	SB1
SYNCHRONOUS INVOCATION INTERFACE	SB8
JAVA/RMI INTERFACE	SB11
CAN INVOKE EXTERNAL SYSTEM INTERFACE ADAPTER	SB6
SYSTEM INTERFACE ADAPTER CORBA INTERFACE	C1
SUPPORT FOR FLOW SPECIFICATION	SB7

IMPORTANCE 618

THE SYSTEM INTERFACE ADAPTER (SIA) IS A TECHNOLOGY ASSOCIATED WITH SERVICE BROKERING THAT ALLOWS FOR THE INTEGRATION OF BACK OFFICE APPLICATIONS WITH APPLICATIONS USING OTHER TECHNOLOGIES. THE SERVICE BROKERING ALLOWS FOR SUCH INTEGRATION VIA SIAS. A CLIENT APPLICATION MAY USE ONE TECHNOLOGY TO INTERFACE WITH A BACK-OFFICE APPLICATION SAY JAVA/RMI AND THE BACK OFFICE APPLICATION CAN EXPOSE AN INTERFACE USING DIFFERENT TECHNOLOGY, SAY CORBA.

A CORBA SIA IS PARTICULARLY IMPORTANT TO SPRINT DUE TO SPRINT'S CURRENT USE BY BACK-OFFICE APPLICATIONS AND IT'S COMPLIANCE WITH INDUSTRY STANDARD SPECIFICATIONS.

STATUS 620

FAIL

REASON(S) FOR FAILURE 622

POC0005: CROSSWORLDS CORBA CONNECTOR DOES NOT SUPPORT UNIONS AND SEQUENCES. THIS IMPACTS BOTH CLIENT AND SERVER SIDE CONNECTORS. MOST OF THE EXISTING INTERFACES IN SPRINT USE SEQUENCES EXTENSIVELY IN BOTH IN, OUT, IN/OUT AND RETURN VALUES. THE USE OF UNIONS IN OUR IDL INTERFACES IS MUCH SMALLER WHEN YOU COMPARE IT TO SEQUENCES.

WORKAROUND(S) IF ANY 624

NEED TO MODIFY EXISTING INTERFACES TO REMOVE SEQUENCES AND INSTEAD SOMEHOW RETURN ONE DATATYPE (LIKE AN XML STRING). THIS WOULD REQUIRE A LOT OF RETOOLING OF OUR BACKEND EXISTING INTERFACES.

LEVEL OF EFFORT (LOE) FOR WORKAROUND 626

N/A

FIG. 6